Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grades PK-8			
Activity/Lesson	**State**	**Standards**	
1903: Powered Flight	MD	MA.PK-8.7.C.1.e	Express solutions using pictorial, tabular, graphical, or algebraic methods
Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	MD	MA.6.6.A.1.c	Identify and determine equivalent forms of fractions as decimals, as percents, and as ratios
1902: Success at Last	MD	MA.6.6.C.1.e	Determine a percent of a whole number
1903: Powered Flight	MD	MA.6.6.C.2.a	Determine the approximate products and quotients of decimals
Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	MD	MA.7.3.C.2.b	Determine the distance between 2 points using a drawing and a scale
1902: Success at Last	MD	MA.7.6.A.1.c	Determine equivalent forms of rational numbers expressed as fractions, decimal, percents, and ratios
1902: Success at Last	MD	MA.7.6.C.1.g	Determine percent of a number
1902: Success at Last	MD	MA.7.6.C.3.b	Determine and use rates, unit rates, and percents as ratios in the context of a problem
1902: Success at Last	MD	MA.7.6.C.3.c	Determine rate of increase and decrease, discounts, simple interest, commission, sales tax
1902: Success at Last	MD	MA.7.6.C.3.d	Determine percent of a number
1903: Powered Flight	MD	MA.7.3.C.2.b	Determine the distance between 2 points using a drawing and a scale
1903: Powered Flight	MD	MA.7.6.C.1.a	Add, subtract, multiply, and divide integers
1903: Powered Flight	MD	MA.7.6.C.3.b	Determine and use rates, unit rates, and percents as ratios in the context of a problem

Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
1902: Success at Last	MD	MA.8.6.C.3.b	Determine or use percents, rates of increase and decrease, discount, commission, sales tax, and simple interest in the context of a problem
1903: Powered Flight	MD	MA.8.1.A.1.c	Determine whether relationships are linear or nonlinear when represented in words, in a table, symbolically, or in a graph
1903: Powered Flight	MD	MA.8.6.C.1.a	Add, subtract, multiply and divide integers
Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grades 9-12 (Algebra/Data Analysis)			
Activity/Lesson	State	Standards	
1903: Powered Flight	MD	MA.9-12.1.1.2	The student will represent patterns and/or functional relationships in a table, as a graph, and/or by mathematical expression.
1903: Powered Flight	MD	MA.9-12.1.2.1	The student will determine the equation for a line, solve linear equations, and/or describe the solutions using numbers, symbols, and/or graphs.
1903: Powered Flight	MD	MA.9-12.1.2.2	The student will solve linear inequalities and describe the solutions using numbers, symbols, and/or graphs.
1903: Powered Flight	MD	MA.9-12.1.2.3	The student will solve and describe using numbers, symbols, and/or graphs if and where two straight lines intersect.
1903: Powered Flight	MD	MA.9-12.1.2.4	The student will describe how the graphical model of a non-linear function represents a given problem and will estimate the solution.
Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grades 9-12 (Algebra II)			
Activity/Lesson	State	Standards	
1903: Powered Flight	MD	MA.9-12.2.3	The student will identify linear and nonlinear functions expressed numerically, algebraically, and graphically.